CLAIMS

1. A well system comprising:

a production tubing;

a sleeve;

a mount disposed between the sleeve and the production tubing;

a flow control device, wherein the flow control device is disposed between the production tubing and the sleeve;

a ball check valve disposed between the flow control device and the production tubing to restrict flow into the production tubing through a port in the flow control device, wherein the ball check valve comprises a housing and a ball, wherein a portion of the flow control device is disposed within the housing of the ball check valve; and

a conduit disposed between the sleeve and the production tubing, the conduit in fluid communication with a second flow control device.

2. The well system of claim 1, wherein the conduit extends along a circumference of the production tubing.

3. The well system of claim 1, wherein the housing comprises an inlet, an outlet, and a check valve internal chamber.

4. The well system of claim 3, wherein the ball is disposed within the check valve internal chamber.

5. The well system of claim 1, further comprising a gap disposed between the mount and the production tubing wherein the outlet is disposed along an opposing wall of the check valve internal chamber from the inlet.

6. The well system of claim 1, wherein the ball comprises a dissolvable material.

7. The well system of claim 6, wherein the dissolvable material comprises at least one material selected from the group consisting of an aluminum alloy, a magnesium alloy, a calcium alloy, and an aliphatic polyester material.

8. The well system of claim 7, wherein the ball further comprises at least one additional material selected from the group consisting of iron, copper, nickel, tin, tungsten, and carbon to increase a standard state reduction potential of the ball.

9. The well system of claim 1, wherein the flow control device is an autonomous inflow control device.

10. A method of controlling flow of fluids, comprising:

injecting a first fluid into a production tubing, wherein a flow control device is disposed between a sleeve and the production tubing, wherein a ball check valve is disposed between the flow control device and the production tubing to restrict flow into the production tubing through a port in the flow control device, wherein a mount is disposed between the sleeve and the production tubing,

actuating the ball check valve, wherein a portion of the flow control device is disposed within a housing of the ball check valve; and

allowing fluid communication with a second flow control device via a conduit disposed between the sleeve and the production tubing.

11. The method of claim 10, further comprising allowing fluid communication with the second flow control device via the conduit that is disposed along a circumference of the production tubing.

12. The method of claim 11, wherein the actuating the ball check valve comprises displacing a ball within the housing.

13. The method of claim 12, wherein the displacing the ball comprises creating a seal that restricts the fluid from flowing through the ball check valve to the flow control device.

14. The method of claim 13, further comprising breaking the seal when a second fluid flows from a subterranean formation to the flow control device and into the ball check valve.

15. The method of claim 12, wherein the ball comprises at least one material selected from the group consisting of polyurethane, natural rubber, rubber modified polymers, high impact polystyrene, and acrylic rubber.